

Certificate No SKM 10209.2

DQS Hellas grants the present certificate to the enterprise:

SOLE S.A.

26, Amarousiou Chalandriou, 15125 Marousi

for the product:

Solar Systems Family

125-1-S200, 150-1-S200, 150-1-S230, 150-1-S260, 200-1-S200, 200-1-S230, 200-1-S260, 200-2-S200, 250-1-S230, 250-1-S260, 250-2-S200, 300-2-S200, 300-2-S230, 300-2-S260, 300-3-\$260, 350-2-\$200, 350-2-\$230, 350-2-\$260, 350-3-\$260, 400-2-\$230, 400-2-\$260, 400-3-S260

Trademarks: SUPERSOL, EUROSTAR ECO, HELIOTHERMO ECO, EUROSTAR MARE, SUNLIT ECO, FINO ECO, OLYMPUS ECO, AQUASOL ECO, SUNTEC

which is produced in conformity with the normative document:

EN 12976-1:2017 EN 12976-2:2019 EN 12975-1:2011 ISO 9806:2017



at the following location:

Laikon Agonon & Lefktron, 13671 Acharnai

The present certificate is granted in accordance with:

- the DQS Hellas General Rules for the Certification of Products,
- the Specific Rule for Certification EKПП.001 «Specific Rule for Certification of Solar Collectors, and Thermal Solar Heating Systems for Domestic Hot Water»,
- the Specific CEN Keymark Scheme Rules for Solar Thermal Products,
- the Annex of Solar Keymark Certificate.

and is ruled by the terms of the relevant contract between DQS Hellas and the enterprise.

Date of issue: 2025-04-10 Date of valid: 2027-11-20

Panagiotis Giannoutsos

Director of Certification

Dr. Emmanuel Deliyannakis Managing Director

Notified Body: 2, Kalavriton Street, 14564 Kifissia - Athens, Greece

EEK.001-07 - 10/11/2011

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Extrapolated

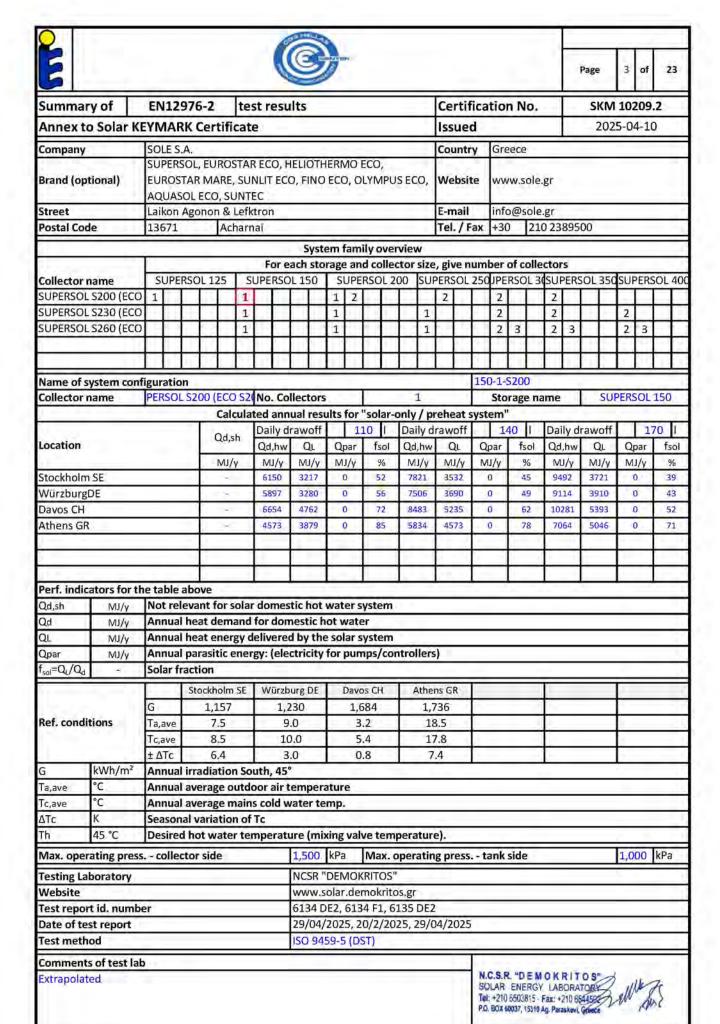
N.C.S.R. "D E M O K R I T O S"

SOLAR ENERGY LABORATORY

Tel: +210 6503815 - Fax: +210 654458

PO. BOX 50037, 15310 Ag. Paraskevi, Greece

All values are subject to some uncertainty; e.g. the uncertainty on system autput is typically in the range of \pm 5 % to \pm 15 %



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 Tc, ave
 °C
 Annual average mains cold water temp.

 ΔTc
 K
 Seasonal variation of Tc

 Th
 45 °C
 Desired hot water temperature (mixing valve temperature).

 Max. operating press. - collector side
 1,500 kPa
 Max. operating press. - tank side
 1,000 kPa

 Testing Laboratory
 NCSR "DEMOKRITOS"

 Website
 www.solar.demokritos.gr

 Test report id. number
 6134 DE2, 6134 F1, 6135 DE2

 Date of test report
 29/04/2025, 20/2/2025, 29/04/2025

 Test method
 ISO 9459-5 (DST)

Comments of test lab

Extrapolated

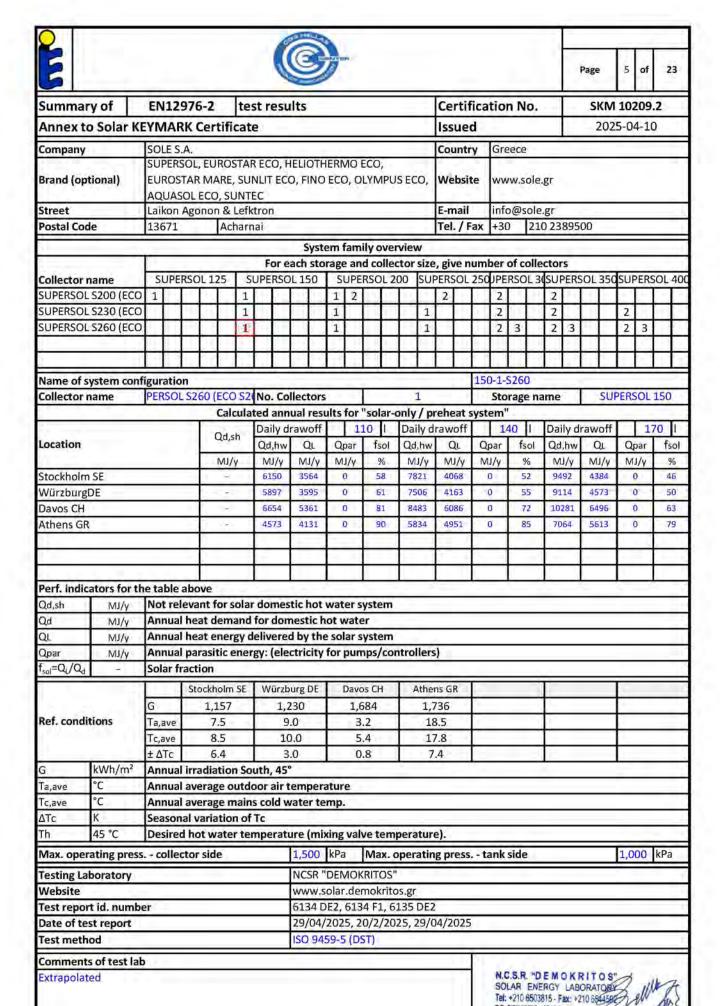
M.C.S.R. "D E M O K R I T O S"

SOLAR ENERGY LABORATORS

Tel: +210 6503815 - Fax: +210 6544592

PO. 80X 60037, 15310 Ag. Paraskevi, Gaeca

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of \pm 5 % to \pm 15 %



Version 4.5, 2017-10-24

P.O. BOX 60037, 15310 Ag. Paraskevi, Grad

E							<u>e</u>	7	pri.											Pa	ge	6	of	23
Summa	ry of	EN12	976-	2	te	st resu	ilts						To	Certif	ica	tio	n No.		T		SKM	10	209.	2
Annex 1	o Solar K	EYMA	RK C	ertif	icat	e							li	ssue	d						202	5-0	4-10)
Company		SOLE S	.A.										To	Countr	v I	Gre	ece	-	_					
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Location			Ŀ			Qd,hw		_	par	fse	_	Qd,hv	-	Qı	Qp		fsol	-	ld,hv	_	QL	_	par	fsc
	C.F.			MJ/	У	MJ/y	MJ/y	_	J/y	94	_	MJ/y	-	MJ/y	MJ	-	%	_	VI/y	_	MJ/y	_	J/y	%
Stockholr	1.7 * 9.0 *		-	-	-	9492	3879)	4:		11164	-	4005	0		36	-	3939	-	4100	_	0	29
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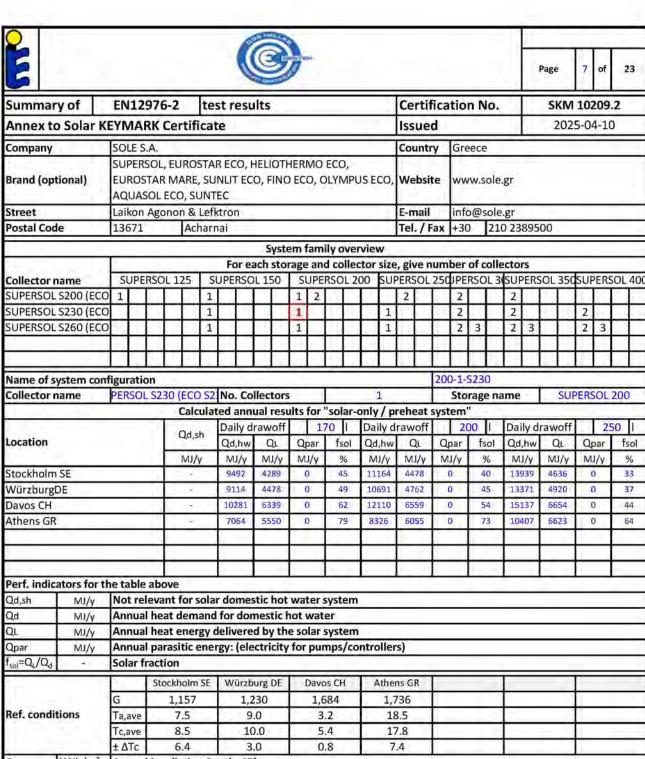
N.C.S.R. "D E M O K R I T O S"

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PO. BOX 50037, 15310 Ag. Paraskevi, Greece

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of \pm 5 % to \pm 15 %



nditions	Ta,ave	7.5	9.0	3.2	18.5		
	Tc,ave	8.5	10.0	5.4	17.8		
	±ΔTc	6.4	3.0	0.8	7.4		
kWh/m²	Annual in	radiation So	outh, 45°				
°C	Annual a	verage outd	oor air temper	ature			
°C	Annual a	verage mair	s cold water te	mp.			
K	Seasonal	variation of	Tc				
45 °C	Desired I	ot water te	mperature (mi	xing valve tem	perature).		
	kWh/m² °C °C K	Tc,ave ± ΔTc kWh/m² Annual ir °C Annual a °C Annual a K Seasonal	Tc,ave 8.5 ± ΔTc 6.4 kWh/m² Annual irradiation Sc °C Annual average outd °C Annual average main K Seasonal variation of	Tc,ave 8.5 10.0 ± ΔTc 6.4 3.0 kWh/m² Annual irradiation South, 45° °C Annual average outdoor air temper °C Annual average mains cold water te	Tc,ave 8.5 10.0 5.4 ± ΔTc 6.4 3.0 0.8 kWh/m² Annual irradiation South, 45° °C Annual average outdoor air temperature °C Annual average mains cold water temp. K Seasonal variation of Tc	Tc,ave	Tc,ave

iviax. operating press collector side	1,500 KPa liviax. operating press tank side	1,000 KPa
Testing Laboratory	NCSR "DEMOKRITOS"	
Website	www.solar.demokritos.gr	
Test report id. number	6134 DE2, 6134 F1, 6135 DE2	
Date of test report	29/04/2025, 20/2/2025, 29/04/2025	
Test method	ISO 9459-5 (DST)	

Extrapolated

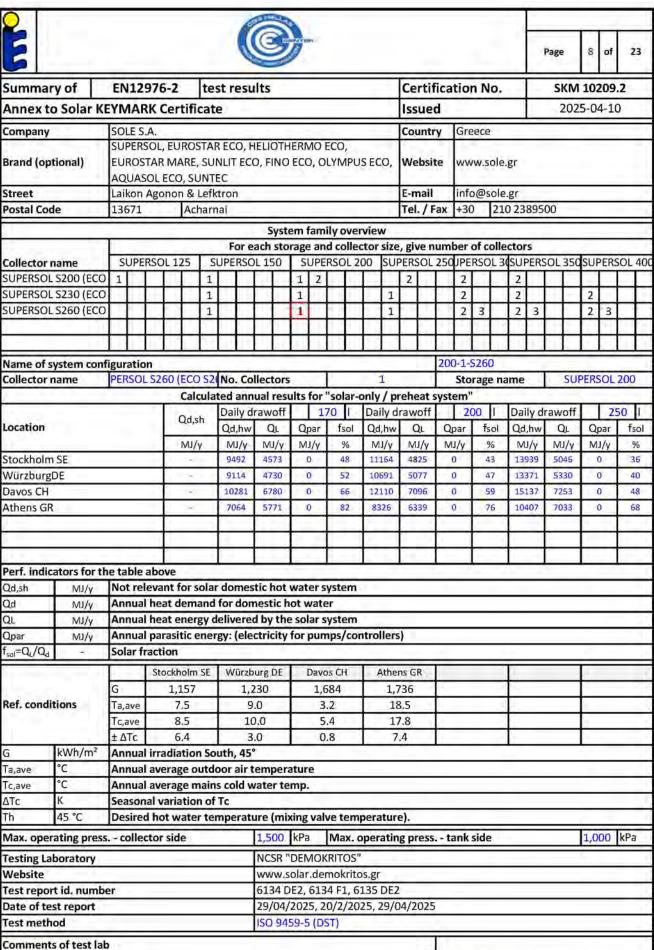
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All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of \pm 5 % to \pm 15 %



Extrapolated

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All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of \pm 5 % to \pm 15 %

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Extrapolated

Test method

N.C.S.R. "DEMOKRITOS"

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All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of \pm 5 % to \pm 15 %

Version 4.5, 2017-10-24

ISO 9459-5 (DST)

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Extrapolated

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	rating press	collec	tor side			1,500			Max.		ratir	ıg į	press	ta	nk	side				1,00	0	kPa
	boratory					NCSR '	_	_	_													
Website						www.s	_	_				_										
	rt id. numb	er				6134	_	_				_										
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Test meth	od					ISO 94	59-5	(DS	ST)													
Comment	s of test lak)												1								_
Extrapola													Ī	SO:	+210	ENERGY 6503815 - 0037, 15310	Y LAE	210 6	TORY 544592	ell	Si	7

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5						1	<u>e</u>	D	più.											Page	12	of	23
Summai	y of	EN12	976	-2	tes	t resu	ılts						T	Certi	fica	tio	No.			SKIV	10	209	.2
Annex to	Solar Ki	EYMA	RK	Certif	icat	e							1	Issue	d					202	5-0	4-1	0
Company		SOLE S	Α										i	Count	~	Gre	ece		-				
company				EURO	STAF	R ECO. I	HELIOT	HERI	MOI	ECO).		1	Count	y	Gie	ccc				-		
Brand (op	tional)	EUROS AQUAS					O, FIN) EC	0, 0	LYN	/PU	S ECO	1	Websi	te	ww	w.sole	e.gr					
Street		Laikon	Ago	non &	Lefk	tron							1	E-mail	TI.	info	@sol	e.gr					
Postal Cod	le	13671		Ac	harn	ai								Tel. / I	ах	+30	21	.0 23	895	500			
		, -					Syst	em f	ami	ly o	ver	view											
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Collector	name	SUPE	RSO	L 125	SU	JPERSC	L 150	SI	JPEF	RSO	L 20	00 SL	JΡ	ERSOL	250	JPE	RSOL 3	SUF	ER:	SOL 350	su	PERS	SOL 4
	S200 (ECO				1			1	2		Ξ		1	2	Ιt	2		2			11/		
	S230 (ECO			11/2	1	4		1	177	ĿŢ		1	-			2		2			2	-	
SUPERSOL	S260 (ECO			, II, U	1	U		1	+		-	1	1			2	3	2	3		2	3	Н
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Collector	name	PERSO	L S20	_				_				2	_			_	age n	ame		SU	PER	SOL	250
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Location			1			Qd,hw	_	Q	$\overline{}$	fse	_	Qd,hv	-	QL	-	par	fsol	Qd	_		-	par	fso
Stockholm	CE			M1/	У	MJ/y 11164	MJ/y 5960	M.	-	5	_	MJ/y 13939	-	MJ/y 6591	_	J/y D	% 47	M.	* . /	MJ/y 6969	-	IJ/y O	% 42
Würzburg			-			10691	6055		-	5		13371	4	6843	-	0	51	160	-	7316	-	0	46
Davos CH	DE .		-	12110	8925	-	_	74		15137	4	9839	_	0	65	181		10218	-	0	56		
Athens GR				-		8326	7190	-	-	80		10407	4	8389	-	0	81	124		9272	-	0	74
			17									700.75	†	7.5									
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Perf. indic	ators for th	ne table	abo	ve																-			
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Qd	MJ/y						nestic		1-7														
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Qpar (C)	MJ/y				ener	gy: (ele	ctricity	for	pun	nps/	co	ntrolle	r	5)									
f _{sol} =Q _L /Q _d	-	Solar f	racti	on																			
		15. 7	Sto	ckholm	SE		ourg DE	- (Davo:	4.6		-		is GR									
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Ref. condi	tions	Ta,ave		7.5		_	.0		3.					.5							-		
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Ta,ave Tc,ave	°C	_					vater t						_										
ΔTc		vater t	ciuh	-				_															
Th	К 45°С	Seasor					ure (m	ixino	val	ve t	em	perati	ır	el.									
						_	1,500							-		anle	cido				111	200	kPa
	ating press	colle	ctor	side					_				n	g press	t	апк	side				1,	טטע	кРа
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	t id. numb		6134 [_	_	_			_														
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rest meth	ou		ISO 94	29-5	(05	1)																	

Tested

N.C.S.R. "D E M O K R I T O S"

SOLAR ENERGY LABORATORY

Tel: +210 6503815 - Fax: +210 654552

P.O. BOX 60037, 15310 Ag. Paraskevi, Greece

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of \pm 5 % to \pm 15 %

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Summai	ry of	EN	112	976	-2	te	st re	su	lts							Ce	rtific	atio	n N	۱o.			SKI	/ 10	209	.2
Annex to	o Solar K	YIV	1AF	RK C	ertifi	icat	e									Iss	ued						20	25-0	04-1	0
Company		SOI	LE S	Α.			-	-								Cou	intry	Gı	reeo	e						
	200	SUI	PERS	SOL,	EURO	STA	RECO	Э, Н	ELIOTH	ERM	ON	ECO	,													
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Collector	name	SI	IPF	RSOI	125	Is		_	L 150														SOL 35	dsu	PFR	SOI 4
12-10-24-12-2	S200 (ECO	_			1	1		150	130	1	2	1			30	2	1	2	_	T	2	1	I	950	T	
	S230 (ECO				5,1	1	Н			1	1			71	1		111	2	_		2			2		
SUPERSOL	S260 (ECO				ı iğli	1			1972	1				H,	1			2	3		2	3		2	3	
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Name of s	ystem conf																3	00-2	-520	00					-	
Collector	name	PER	SOL	S20					llectors						2		= $!$	_	orag	e na	ame	6	S	JPEF	SOL	300
				_	Cal	cula	_	_	ual resi	ults	_	_	ar-c	_	_	_	_	_	_	T.	12				1 4	I
Location					Qd,	sh	_	_	rawoff	0	_	50	de l	_	_	raw	_	_	300	11	-	_	rawof	_	_	00 1
Location				ŀ	MJ	/	Qd,		QL MJ/y	_	par U/v	-	iol %	_	,hw J/y	M.	_	Qpar VJ/v	_	sol %	-	l,hw U/v	QL MJ/s	_	Dpar NJ/v	fso %
Stockholm	SE			\dashv	IVIJ	У	139	-	6843		0	-	9	_	746	73	_	0	-	44	-	327	7695	- "	0	34
Würzburg				7			133	71	7096		0	5	3	16	052	76	95	0		48	21	413	8105	-	0	- 38
Davos CH					~		151	37	10218	1	0	5	8	18	165	107	54	0		59	24	220	1106		0	46
Athens GR							104	07	8578		0	8	2	12	488	95	87	0		77	16	651	1088)	0	65
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Qpar	MJ/y	_			_			_	ctricity	_	_		_	itro	ller	;)										
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				Sto	ckholn	SE	Wi	irzb	urg DE		Dav	os Ch	1	1	Athe	ns Gl	3				1					
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Ref. condi	tions	Ta,	ave		7.5		-	9.	.0		3	.2		2	18	3.5										
		Tc,a		1 =	8.5			_	0.0		5	.4				7.8										
	Dave 1- 5	±Δ	_		6.4			_	.0		C	.8	-		7	.4										
G	kWh/m²	_	_	_	diatio	_	_	_																		
Ta,ave	°C	-	_	_	_			_	emper																	
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Summa	ry of	EN12	976	-2	te	st resu	ılts					Ī	C	ertif	ica	tion	No.			SKI	VI 1	020	9.:	2
Annex t	o Solar K	EYMA	RKC	Certif	icat	e							Is	sue	d					20	25-	04-	10	
Company		SOLE S			- 1-5								Ice	ountr	. 1	Gre	000	_	_					
Company		Dr. 100 100 100		FURO	STAI	R FCO	HELIOT	HERM	O FC	0			-	Junti	У	Gre	ece				-		_	_
Brand (op	tional)		TAR	MARE	, su	NLIT EC	O, FINO				JS EC	0,	w	ebsit	e	ww	w.sole	.gr						
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Collector	name	SUPE	RSOI	L 125	SI	JPERSC			PERS				_				RSOL 3			SOL 3	5ds1	UPE	RS	OL 4
7	S200 (ECO	200	ΙĨ	100	1	Ξ		-	2	T			2	4		2		2			1	T	T	
	S230 (ECO			11/2	1	7		1			П	1			ŤĠ	2		2				2	+	
	S260 (ECO		U,	, II U	1	U, LIII		1		1	П	1			Į į	2	3	2	3		-	-	3	
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Name of	system con	figuratio	on	-											300)-2-9	230						_	_
Collector		PERSOI		O (ECC) S2	No. Co	llector	5	1		2	-		_	-	17.1	age n	ame		S	UPE	RSC	L 3	00
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			Ī	MJ/	у	MJ/y	MJ/y	MJ/	у	%	MJ		-	/J/y	M.	1/у	%	M	J/y	MJ/	_	MJ/	-	%
Stockholn	n SE			-		13939	7348	0		53	167	45	7	947)	4.7	22	327	8546		0	T	38
Würzburg	DE.		10			13371	7537	0		56	160	52	8	262	ŧ)	51	21	413	8988		0	T	42
Davos CH				100		15137	11006	0		73	181	65	1.	1794)	65	24	220	1233	1	0		51
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Qpar	MJ/y	_			ener	gy: (ele	ectricity	for p	ump	s/co	ntro	ile	rs)										_	
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G	kWh/m²				_	uth, 45	_																_	
Ta,ave	°C						tempe																_	
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Max. ope	rating press	s colle	ctor	side			1,500	kPa	M	ax. c	pera	atiı	ng p	ress	t	ank	side				1	,000)	кРа
Testing La	boratory						NCSR '	'DEM	OKRI	TOS'														
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Extrapolated

Test method

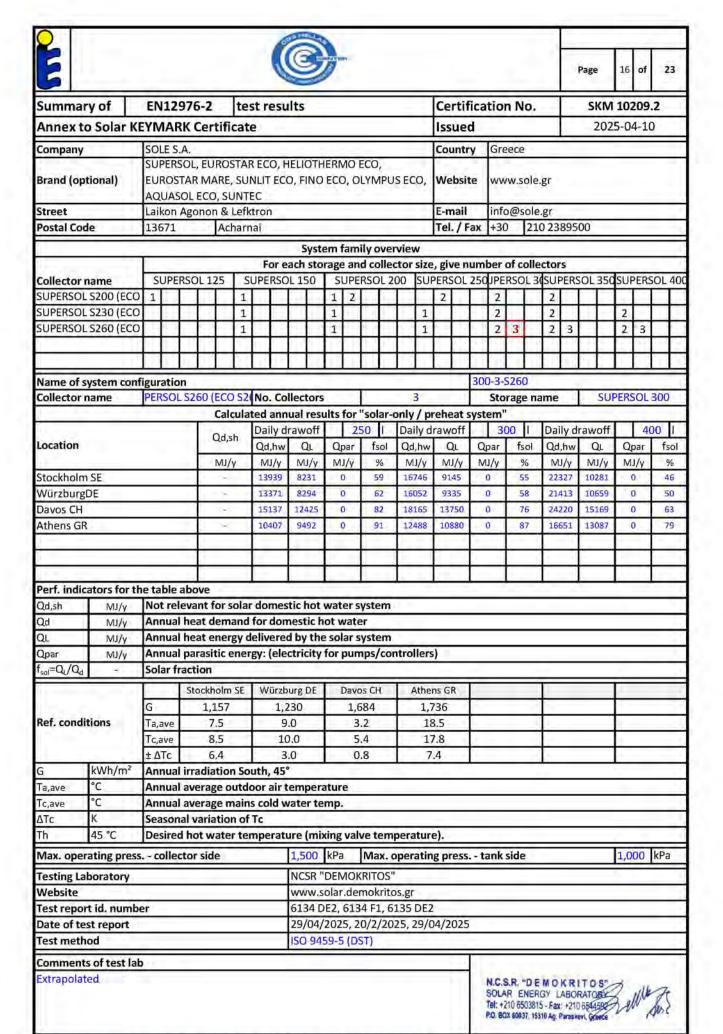
N.C.S.R. "D E M O K R I T O S" SOLAR ENERGY LABORATORY Tel: +210 8503815 - Fax: +210 6544592 P.O. BOX 50037, 15310 Ag. Paraskeyi, Grance

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of \pm 5 % to \pm 15 %

Version 4.5, 2017-10-24

ISO 9459-5 (DST)

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Summa	ry of	EN12	976	-2	te	st re	sult	ts						Certif	fica	tio	n N	o.			SKI	VI 10	209	.2
Annex	o Solar KI	YMAF	RK C	ertif	icat	e							1	Issue	d						20	25-0	4-10	0
Company		SOLE S					_			=				Countr	·v	Gre	ece	-		-				
company		SUPER		EURO	STAI	RECO	, HE	LIOTH	ERMC	EC	Ю,			Count	y	Gre								
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Collector	73.13.35.1	SUPE	RSO	L 125	S	UPER	SOL	150	_	ERS	SOL 2	00	SU	PERSOL	250	JPE	RSO	L30	SU	PERS	SOL 35	osu	PERS	SOL 4
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Collector	name	PERSOI	L 526		_		-	-		1	-1-		/	ink - 1		-	rage	e na	me	9.11	S	JPER	SOL	300
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Location				Qd,	sh	Qd,F	_	QL	Qpar	_	fsol	-	hw	QL	_	par	_	ol	_	l,hw	_	_	par	fso
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Würzbur						1337	_	7821	0		58	160	152	8672	- ()	- 5	4	-	413	9587	-	0	45
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			Sto	ckholn		-		rg DE		/05		A		ns GR	_				-			+		
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Ref. conc	ucions	Ta,ave	-	7.5			9.0	_	_	3.2	_		-	3.5	-			-	-			+		
		Tc,ave ± ΔTc	-	8.5 6.4			3.0	_		5.4 0.8		+		7.8					-			+		
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Ta,ave Tc.ave	K	Season						, , ,																
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Tc,ave ΔTc	11.7							,500		_				g press	. +-	nk	side					1.0	000	kPa
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Extrapolated

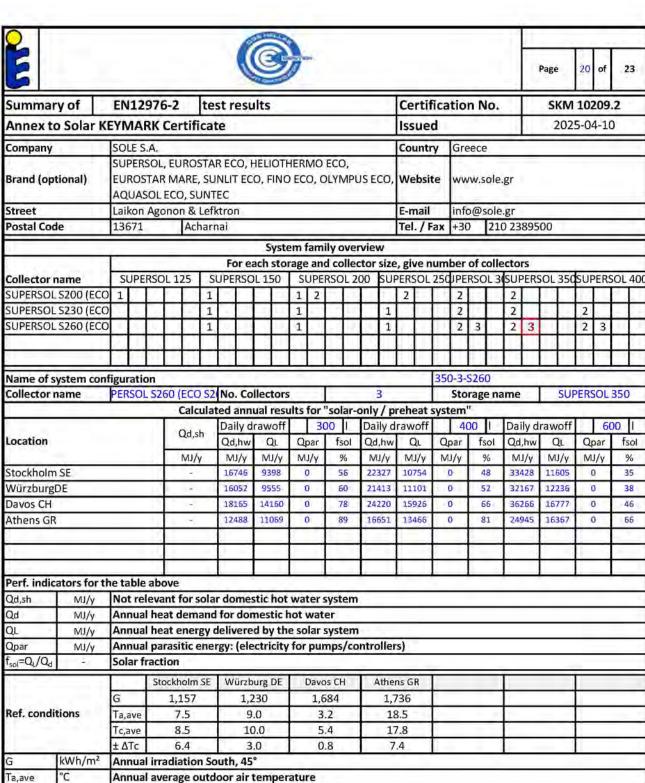
All values are subject to some uncertainty; e.g. the uncertainty on system autput is typically in the range of \pm 5 % to \pm 15 %

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Perf. indicators for the table above Qd,sh MJ/y Not relevant Qd MJ/y Annual heat QL MJ/y Annual heat Qpar MJ/y Annual paras f _{sol} =Q _L /Q _d - Solar fraction Ref. conditions		16052	8862	0	55	21413	_	9997	0	47	-	2167	10533	0	33
Perf. indicators for the table above Qd,sh Qd,sh MJ/y Not relevant Qd MJ/y Annual heat MJ/y Annual paras f _{sol} =Q _L /Q _d Stock G 1 Ta,ave Tc,ave ± ΔTc G KWh/m² Annual irrad Ta,ave °C Annual avera ATC K Seasonal var Th 45 °C Desired hot Max. operating press collector s Testing Laboratory	_	18165	12867	0	71	24220	-	3939	D	58	-	6266	14317	0	39
Perf. indicators for the table above Qd,sh MJ/y Not relevant Qd MJ/y Annual heat QL MJ/y Annual heat Qpar MJ/y Annual paraset fsol=Qt/Qd - Solar fraction Ref. conditions Stock G 1 Ta,ave Tc,ave ± ΔTc G Annual averation	_	12488	10533	0	84	16651	12520		D	75	_	1945	14564	0	59
Qd,sh MJ/y Not relevant Qd MJ/y Annual heat QL MJ/y Annual heat Qpar MJ/y Annual paras f _{sol} =Q _L /Q _d - Solar fraction Ref. conditions Ta,ave Tc,ave ± ΔTc Tc,ave ± ΔTc G kWh/m² Annual irrad Ta,ave °C Annual avera ΔTc,ave °C Annual avera ΔTc K Seasonal var Th 45 °C Desired hot Max. operating press collector s Testing Laboratory															
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$\begin{array}{c cccc} Qpar & MJ/y & \textbf{Annual para:} \\ f_{sol} = Q_t/Q_d & - & \textbf{Solar fraction} \\ \hline & & & & & & \\ \hline & & & & & \\ \hline & & & &$	demand f	for don	nestic h	ot wat	er										
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G kWh/m² Annual irrad Ta,ave °C Annual avera Tc,ave °C Annual avera ΔTc K Seasonal var Th 45 °C Desired hot of the seasonal var Max. operating press collector s Testing Laboratory	8,5	_	0.0	-	.4	_	7.8	$\overline{}$			+				
Ta,ave °C Annual avera Tc,ave °C Annual avera ΔTc K Seasonal var Th 45 °C Desired hot of Max. operating press collector s Testing Laboratory	6.4		.0	0	.8	1	7.4	0 0			_			L	
Tc, ave °C Annual avera ΔTc K Seasonal var Th 45 °C Desired hot of Max. operating press collector s Testing Laboratory				atura											
ATC K Seasonal var Th 45 °C Desired hot Max. operating press collector s Testing Laboratory															
Th 45 °C Desired hot Max. operating press collector s Testing Laboratory			varei re	p.											
Max. operating press collector s Testing Laboratory			ure (mi	xing val	ve ten	perati	ıre)	١.							
Testing Laboratory		.pe,ut							AG.	de elst-	_			1.000	Ln-
	iue	-	1,500			perati	iig	press.	- tar	ik side				1,000	KPa
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Website			www.se												
Test report id. number			6134 D				_	Inca-							
Date of test report		-	29/04/			25, 29/	/04/	/2025							
Test method			ISO 945	9-5 (D	51)										

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All values are subject to some uncertainty; e.g. the uncertainty on system autput is typically in the range of \pm 5 % to \pm 15 %



	Tc,ave	8.5	10.0	5.4	17.8		
	±ΔTc	6.4	3.0	0.8	7.4		
kWh/m²	Annual in	radiation Sc	outh, 45°				
°C	Annual a	verage outd	oor air temper	ature			
°C	Annual a	verage main	s cold water te	mp.			
K	Seasonal	variation of	Тс				
45 °C	Desired h	ot water te	mperature (mi	xing valve tem	perature).		
	°C °C K	kWh/m² Annual ir °C Annual a °C Annual a K Seasonal		± ∆Tc 6.4 3.0 kWh/m² Annual irradiation South, 45° °C Annual average outdoor air temper. °C Annual average mains cold water temper. K Seasonal variation of Tc	± ΔTc 6.4 3.0 0.8 kWh/m² Annual irradiation South, 45° °C Annual average outdoor air temperature °C Annual average mains cold water temp. K Seasonal variation of Tc	± ΔTc 6.4 3.0 0.8 7.4 kWh/m² Annual irradiation South, 45° °C Annual average outdoor air temperature °C Annual average mains cold water temp. K Seasonal variation of Tc	± ΔTC 6.4 3.0 0.8 7.4 kWh/m² Annual irradiation South, 45° °C Annual average outdoor air temperature °C Annual average mains cold water temp. K Seasonal variation of Tc

1,500 kPa Max. operating press tank side 1,000 kPa
NCSR "DEMOKRITOS"
www.solar.demokritos.gr
6134 DE2, 6134 F1, 6135 DE2
29/04/2025, 20/2/2025, 29/04/2025
ISO 9459-5 (DST)

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f _{sol} =Q _L /Q _d		Solar f	_																									
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Max. oper	ating press	colle	ctor	side			1,500 kPa Max. operating press tank side 1,000 k												(Pa									
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Date of test report						6134 DE2, 6134 F1, 6135 DE2 29/04/2025, 20/2/2025, 29/04/2025																						
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Extrapolated

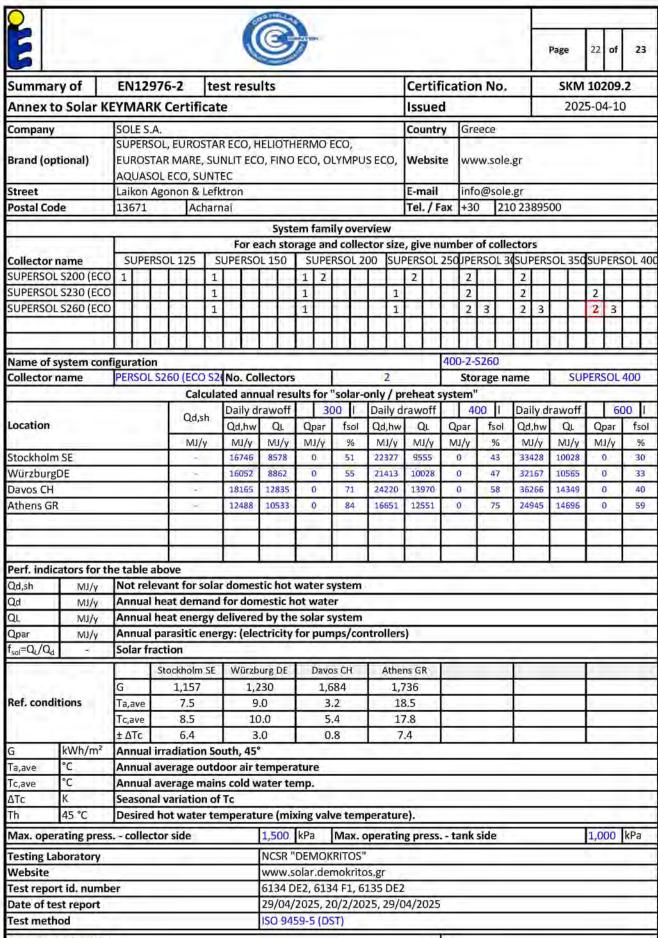
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